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Our Docket No: 015685.P123

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Dogan et al.

Application No: 09/967,208

Filed: September 28, 2001

For: Method and Apparatus for Efficient
Storage of Training Sequences for
Peak to Average Power Constrained
Modulation Formats

Examiner: Not yet assigned

Art Unit: Not yet assigned

PRELIMINARY AMENDMENT

Box Non-Fee Amendment
Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Prior to examination of the above-captioned case, Applicants respectfully request
the Examiner to enter the following amendment:

In the Specification:

Please replace paragraph 13 with the following replacement paragraph:

A set of spatial multiplexing weights for each subscriber station are applied to the
respective modulated signals to produce spatially multiplexed signals to be transmitted by
the bank of four antennas. The host DSP 231 produces and maintains spatial signatures
for each subscriber station for each conventional channel and calculates spatial
multiplexing and demultiplexing weights using received signal measurements. In this
manner, the signals from the current active subscriber stations, some of which may be